

Hollow bar

Grades and standards

Stainless hollow bar – stock grades

Sandvik®	UNS	ASTM	EN steel no.
Sanmac® 4305	S30300	MT 303	1.4305
Sanmac 304/304L	S30400/30403	MT 304/304L	1.4301/1.4307
Sanmac 316/316L	S31600/31603	MT 316/316L	1.4401/1.4404
Sanmac 4435	S31600/31603	316/316L	1.4436/1.4435
Sanmac 4571	S31635	316Ti	1.4571
Sanmac 2205	S31803/32205	–	1.4462

All above grades, excluding Sanmac 4305, fulfill the requirements of PED 97/23/EC (EN 10216-5)

Leak tightness test deferred to machined component.

Chemical composition

Sandvik®	Nominal chemical composition, %				Others
	C	Cr	Ni	Mo	
Sanmac® 4305	<0.035	17.5	9	–	S
Sanmac 304/304L	<0.030	18.5	9	–	–
Sanmac 316/316L	<0.030	16.5	11	2.1	–
Sanmac 4435	<0.030	17.5	12.5	2.6	–
Sanmac 4571	0.03	17	12.5	2.1	Ti
Sanmac 2205	<0.030	22.5	4.5	3.2	N

Other grades to special order.

Tolerances

O.D.*: +2/-0% but minimum +1/-0 mm (+0.04/-0").
I.D.*: +0/-2% but minimum +0/-1 mm (+0/-0.04").
Straightness: Straightness deviation max. 1.5 mm per 1000 mm (0.059 inch per 3 ft).
Other tolerances can be offered to special order.

Lengths

Sandvik stainless hollow bar is delivered in lengths ranging from 2.5 to 6.5 m (8 to 22 ft), depending on diameter and grade.
Lengths down to 1 m (3 ft) may be included in the delivery.
Cutting services are available.

Guaranteed component sizes

The values indicated are valid for lengths of max. 2.5 x O.D.
* O.D. 275 mm (10.827") +/-1%

Standards

Test certification for hollow bar in stock

Sanmac® 304/304L, EN 1.4301/1.4307
Sanmac 316/316L, EN 1.4401/1.4404

PED 97/23/EC,

EN 10216-5, EN 10294-2

IC-test EN ISO 3651-2A in delivery condition.

NACE MR-0175/ISO 15156

Sanmac 4571, EN 1.4571

PED 97/23/EC,

EN 10216-5, EN 10294-2

IC-test EN ISO 3651-2A in delivery condition.

Sanmac 2205, EN 1.4462

PED 97/23/EC,

EN 10216-5,

EN 10294-2, EN 10297-2,

Norsok MDS 041, ASTM A790,

Corrosion test acc to ASTM G-48 A

NACE MR 0175/ISO 15156

IC = Intergranular Corrosion.

Hollow bar

Stock range

O.D.		I.D.		Weight		Guaranteed component sizes ¹⁾										EN		EN		EN		EN	
																I.4301/ I.4307		I.4404		I.4571		I.4462	
																Sanmac®		Sanmac		Sanmac		Sanmac	
																304/304L		316/316L		4571		2205	
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